

# WASTEWATER UTILITY ANNUAL REPORT

(Class "A" and "B" Companies)

OF

JACABB Utilities, LLC

Exact Legal Name of Respondent

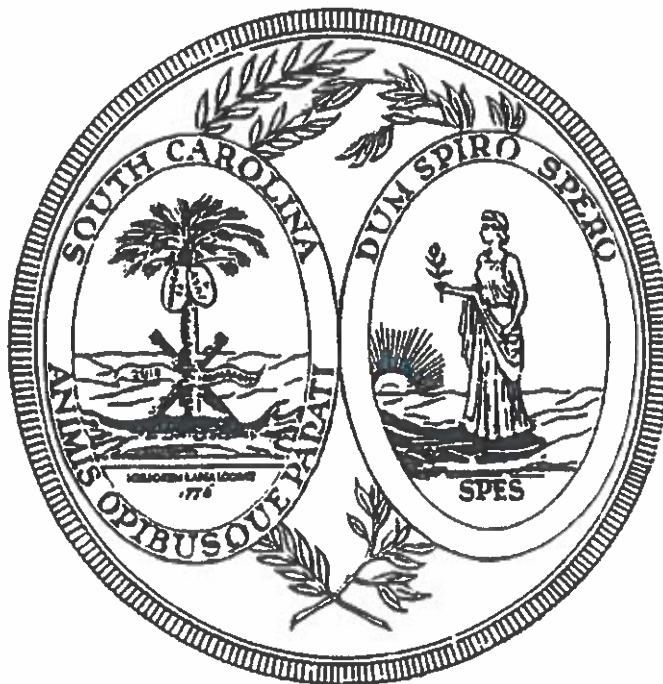
\_\_\_\_\_  
PSC/ORS Number (leave blank)

**FOR THE YEAR ENDED 2020**

☒ Calendar Year Ending December 31, 2020

or

☐ Fiscal Year Ending \_\_\_\_\_



JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

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**GENERAL INSTRUCTIONS**

1. All water utilities are required by state law to complete and file this annual report. On or before April 1, 2021, one electronic copy of this report should be submitted to the S.C. Public Service Commission email address [AnnualReports@psc.sc.gov](mailto:AnnualReports@psc.sc.gov). In addition, one electronic copy should be retained by the Company. Filing this electronic copy with the S.C. Public Service Commission will satisfy the utility's responsibility for submitting an annual report as required pursuant to Commission regulations.
2. Forms are available in PDF fillable format on the Office of Regulatory Staff website at [www.ors.sc.gov](http://www.ors.sc.gov).
3. Respond to each item using "0", "none", or "not applicable" as appropriate.
4. Requests for extensions must be in writing to the Office of Regulatory Staff. Extension requests postmarked after April 1, 2021 will be denied.
5. All accounting terms and phrases used in this report are to be interpreted in accordance with the effective applicable Uniform System of Accounts prescribed by this Commission, as set forth in S.C. Code Ann. Section 58-5-220 and Commission regulation 103-520.
6. Standard accounting procedures will apply in determining the nature of any entry (e.g. entries of a reverse character will be indicated by a parentheses around the number).
7. The report will be filed consisting of data relative to a calendar year basis or the company's fiscal year, but not both.
8. If this report is made for a period less than the calendar year or fiscal year, the period covered must be clearly stated on the front cover and elsewhere throughout the report where it is necessary to include the period covered. When operations cease during the year because of the disposition of property, the balance sheet and supporting schedules should consist of balances and items immediately prior to transfer (for accounting purposes).
9. All instructions should be followed and each question should be answered fully and accurately. Sufficient answers are those in which no question or schedule has been overlooked. The expression "none" or "not applicable" should be given as the answer to any particular inquiry or schedule where it truly and completely states the fact. Unless otherwise indicated, no information will be accepted which incorporates by reference information from another document or report. In any instance where information called for is not given, the reason for its omission should be stated fully.
10. Dates, when called for, should include the day, month and year. Customary abbreviations may be used in stating dates.
11. Whenever schedules call for comparison of figures of a previous year, the figures reported must be based upon those shown by the annual report of the previous year, otherwise, an appropriate explanation of why different figures were used should be given.
12. One copy of the respondent's latest corporate annual report, if issued, should be submitted with this report. If the respondent is a member of a group, both the parent and subsidiary's corporate annual report should be submitted.

**GENERAL INSTRUCTIONS**  
**(Continued)**

13. Throughout this report, money items will be rounded to the nearest dollar.
14. Failure to comply with the submission of the annual report may result in fines and/or loss of certification.
15. Separate notification is required for changes in company information -- i.e. name, address, telephone number, contact names, sale or purchase of Company, corporate structure.
16. Use this form for a wastewater utility ONLY! If your utility operates a water system in addition to a wastewater system, complete a separate annual report for the water system. **DO NOT COMBINE BOTH WATER AND WASTEWATER INFORMATION ON THE SAME FORM!**
17. Contact the Office of Regulatory Staff at (803) 737-0800 if you have questions about this form or the requirements for a water or wastewater utility.

(Company Name)

**Schedule 100. IMPORTANT CHANGES DURING THE YEAR**

Provide written responses for each of the items listed below. Make the written statements clear and brief. A response must be given for each item. However, if the word "none" is an accurate response, it may be used as such. Similarly, if information is given elsewhere in the report which would serve as a response to an item, reference that information in the space provided.

1. Have you had changes or additions to franchise rights? If so, describe (a) the actual payment given in exchange for the franchise rights, and (b) from whom acquired. If acquired without payment, state that fact

None

2. Have any of the following occurred -- acquisition of other companies, or reorganization, merger or consolidation with other companies? If so, give names of companies involved, details concerning the transactions, and reference to Commission authorization, including docket numbers.

None

3. Have any of the following occurred -- purchase or sale of operating units, such as sources, treatment and storage facilities, transmission and distribution systems, or similar occurrences? If so, specify items, parties, effective dates and also reference the Commission authorization, including docket numbers.

None

4. Have any leaseholds been acquired, given, assigned, or surrendered? If so, give the effective dates, lengths of terms, names of parties, rents, Commission authorization, (docket numbers), if any, and other conditions.

None

5. Have there been any extensions of service territories? If so, include the Commission authorization (docket numbers), that give the location of the new service territory covered by distribution system and the dates of beginning operations. Give the number of customers by class, for each class, give the number of customers estimated with regard to annual revenues for the new territories.

Rosewood at Clemson Development, Docket 2019-189-WS, Order No. 2019-777, City of Clemson. Began operations 09/14/2020 and 46 residential customers.

6. What is the estimated increase or decrease in annual revenues due to rate changes, (cite docket numbers), and the approximate extent to which the increase or decrease is reflected in revenues for the reporting year?

N/A

7. Have there been any wage scale changes? If so, show the dates of changes, the effect on operating expenses for the year, and estimated annual effect of the wage scale changes on operating expenses.

N/A

8. Have there been any obligations incurred or assumed by you, the respondent, as guarantor for the performance by another of any agreement or obligation -- excluding ordinary commercial paper maturing on demand or not later than one year after date of issue? If so, give the Commission authorization, (docket number), if any. N/A

9. Have there been any changes in articles of incorporation or amendments to charters? If so, explain the nature and purpose of these changes or amendments. Note any filing with the Commission.

None

10. Other important changes not provided for elsewhere.

None

## Schedule 110. DEFINITIONS

**“Accounts”** means the accounts prescribed in the NARUC Uniform System of Accounts.

**“Amortization”** means the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, which may be over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized.

**“Associated Companies”** means companies or persons that, directly or indirectly, through one or more intermediaries, control, or are controlled by, or are under common control with, the accounting company.

**“Book Cost”** means the amount at which property is recorded in the applicable account without deduction of related provisions for accrued depreciation, amortization, or for other purposes.

**“Class A”** for wastewater utilities means a utility having annual wastewater operating revenues of \$1,000,000 or more.

**“Class B”** for wastewater utilities means a utility having annual wastewater operating revenues of \$200,000 or more but less than \$1,000,000.

**“Class C”** for wastewater utilities means a utility having annual wastewater operating revenues of less than \$200,000.

**“Control”** (including the terms, “controlling,” “controlled by,” and “under common control with”) means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of a company, whether such power is exercised through one or more intermediary companies, or alone, or in conjunction with, or pursuant to an agreement, and whether such power is established through a majority or minority ownership or voting of securities, common directors, officers, or stockholders, voting trusts, holding trusts, affiliated companies, contract or any other direct or indirect means.

**“Cost”** means the amount of money actually paid for property or service. When the consideration given is other than cash, the value of such consideration shall be determined on a cash basis.

**“Cost of Removal”** means the cost of demolishing, dismantling, tearing down or otherwise removing utility plant, including the cost of transportation and handling incidental thereto.

**“Debt Expense”** means all expenses in connection with the issuance and initial sale of evidences of debt, such as fees for drafting mortgages and trust deeds; fees and taxes for issuing or recording evidences of debt; cost of engraving and printing bonds and certificates of indebtedness; fees paid trustees; specific costs of obtaining governmental authority; fees for legal services; fees and commissions paid underwriters, brokers, and salesmen or marketing such evidences of debt; fees and expenses of listing on exchanges; and other like costs.

## Schedule 110. DEFINITIONS (Continued)

**“Depreciation”**, as applied to depreciable utility plant, means the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of the utility plant in the course of providing service. This includes causes which are known to be in current operation and against which the utility is not protected by insurance. Among the causes to be given consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and requirements of regulatory bodies.

**“Discount”**, as applied to the securities or assumed by the utility, means the excess of the par (stated value of no-par stocks) or face value of the securities plus interest or dividends accrued at the date of the sale over the cash value of the consideration received from their sale.

**“Distribution Mains”** means any pipes whose primary purpose is to distribute treated water throughout a community, and whose components include arterial or primary feeders, secondary feeders, and the distribution grid works.

**“Investment Advances”** means advances, represented by notes or by book accounts only, with respect to which it is mutually agreed or intended between the creditor and debtor that they shall be settled by the issuance of securities or shall not be subject to current settlement.

**“Minor Items of Property”** means the associated parts or items of which retirement units are composed.

**“Multiple Family Dwelling”** means a residential structure or group of structures which is capable of separately housing more than one family unit.

**“Net Salvage Value”** means the salvage value of property retired less the cost of removal.

**“Nominally Issued”**, as applied to securities issued or assumed by the utility, means those which have been signed, certified, or otherwise executed, and placed with the proper officer for sale and delivery, or pledged, or otherwise placed in some special fund of the utility, but which have not been sold, or issued directly to trustees of sinking funds in accordance with contractual requirements.

**“Premium”**, as applied to the securities issued or assumed by the utility, means the excess of the cash value of the consideration received from their sale over the sum of their par (stated value of no-par stock) or face value and interest or dividends accrued at the date of sale.

**“Original Cost”**, as applied to utility plant, means the cost of such property to the person first devoting it to public service.

**“Property Retired”**, as applied to utility plant, means property which has been removed, sold, abandoned, destroyed, or which for any cause has been permanently withdrawn from service.

**“Reclaimed Water”** means water that has received at least secondary treatment and basic disinfection and is reused after flowing out of a wastewater treatment plant.

## Schedule 110. DEFINITIONS (Continued)

**“Replacing or Replacement”**, when not otherwise indicated in the context, means the construction or installation of utility plant in place of property retired, together with the removal of the property retired.

**“Retained Earnings”** means the accumulated net income of the utility less distributions to stockholders and transfers to other capital accounts, and other adjustments.

**“Reuse”** means the deliberate application of reclaimed water, in compliance with Federal and State environmental rules and regulations, for a beneficial purpose.

**“Salvage Value”** means the amount received for property retired, less any expenses incurred in connection with the sale or in preparing the property for sale, or, if retained, the amount at which the material recoverable is chargeable to materials and supplies, or other appropriate account.

**“Straight-Line Remaining Life Method”**, as applied to depreciation accounting, means the plan under which the service value of property is charged to operating expenses (and to clearing accounts if used), and (accounts if used), and credited to the accumulated depreciation account through equal annual changes during its service life. “Remaining Life” implies that estimates of the future life and salvage shall be reexamined periodically and that depreciation rates will be corrected to reflect any changes in these estimates.

**“Supply Main”** means any main, pipe, or aqueduct or canal whose primary purpose is to convey raw untreated water from one unit to another unit in the source of supply and pumping plant, and to the water treatment equipment.

**“Transmission Main”** means any pipes whose primary purpose is to convey treated water from the water treatment equipment or pumping station to the distribution system serving a community and generally provides no service connections with customers.

**“Utility”**, as used herein and when not otherwise indicated in the context, means any public utility to which the Uniform System of Accounts is applicable.



JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 120. EXECUTIVE SUMMARY****1. IDENTIFICATION (legal title)**

PSC/ORS No.	(leave blank)		
Check Business Structure & Indicate Date Established	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Partnership	<input type="checkbox"/> Corporation
	5/17/2004		
Name of Company:	JACABB Utilities, LLC		
Doing Business As:			
Street Address:	210 W. North 2nd Street		
City:	Seneca	State:	SC Zip Code: 29678
Mailing Address:	Same as Street Address		
City:		State:	
Zip Code:			
Telephone No. (Include Area Code):	( 864 ) 882-8194		

(a) State whether any change was made in the name of the respondent during the year. If so, state the changes and the dates when they were made. None

(b) State whether the respondent is a firm or partnership. If a partnership, give the names of the partners and the proportion of their respective interests. Firm

(c) State the kinds of business, other than Wastewater Utility, in which the respondent was engaged at any time during the year. If none, state that fact. Water Utility

(d) Give the names and office addresses of the Board of Directors, if any, of the respondent at the close of the year, as well as the dates of expiration of their respective terms. If any person abandoned, resigned from, or was removed from a directorship during the year, give full details in a footnote. If the organization was a partnership, give the names of the partners and designate them as such.

Name of Director	Office Address	Term Begins	Term Ends

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

### Schedule 120. EXECUTIVE SUMMARY (Continued)

(c) Give the titles of all officers of the respondent at the close of the year, the names of persons holding the offices at year end, and the date when each originally assumed the duties of the office. If any person abandoned, resigned from, or was ousted from any office during the year, give full details in a footnote.

Title of Officer	Name of Person Holding Office	Office Address	Date of Entry
President			
Vice-President			
Secretary			
Treasurer			
Gen. Manager or Supt.			

(f) Give the date of incorporation of respondent and the name of the state or territory under whose laws the incorporation was organized.

5/17/2004, South Carolina

#### 2. CONTACT (for purpose of this report)

Contact Name:	<u>Stephen R. Goldie</u>		
Title:	<u>Managing Owner</u>	Telephone:	<u>(864) 882-819</u>
Email Address:	<u>steve@goldieassociates.com</u>	Fax No.:	<u>(864) 882-084</u>

#### 3. MAILING ADDRESS (if different from above)

Mailing Address:	<u>Same as above</u>		
City:	<u></u>	State:	<u></u>
		Zip Code:	<u></u>

### CERTIFICATION

I hereby certify that the enclosed Annual Report was prepared by me or under my supervision, that I have examined it, and that the items herein reported on the basis of my knowledge are correctly shown.

Name:	<u>Stephen R. Goldie</u>	Title:	<u>Managing Owner</u>
Signature:		Date:	<u>4/20/2021</u>

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.**PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: Forest Hills Subdivision - Collection system has approximately 4800 linear feet (LF) of gravity sewer lines. A lift station pumps wastewater to Town of Williamston (SC0046841), Approximately 2858 LF of 4" PVC forcemain, 12 LF of 8" PVC gravity sewer main, one manhole and one sewage lift station.

Oxidation Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction of each pond.Aeration Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction .Polishing Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction .Detailed general description of disposal system/method: Wastewater is pumped to the Town of WilliamstonDate of construction of original plant: Population for which plant was designed: Plant capacity in gallons per day: Average daily discharge of sewage during year (Mgal): 0.005346Maximum discharge of sewage during year (Mgal): 0.049000

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

Is wastewater treated? Forest Hill Subdivision - Wastewater is treated by Town of Williamston - not by JACABB Utilities, LLC

If so, how? \_\_\_\_\_

Is wastewater effluent disinfected? \_\_\_\_\_

If so, provide information about the type of agent used (liquid chlorine, etc.) \_\_\_\_\_

How frequently is an analysis made of effluent? \_\_\_\_\_

Give results of last analysis: \_\_\_\_\_

What is the efficiency of sewerage plant? \_\_\_\_\_

**JACABB Utilities, LLC**  
(Company Name)

**FOR THE YEAR ENDED 2020**

## Schedule 130. TECHNICAL SUMMARY

### GENERAL INFORMATION

Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.

#### **PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: Shoals of Anderson and Anchor Point - Gravity sewer mains, manholes, aeration tanks, pumps, clarifier tanks, tertiary treatment unit, discharge structure or diffuser, chlorination basin, and outfall sewer lines

Oxidation Pond(s)? None

If so, provide information concerning size, construction type, and year of construction of each pond.

Aeration Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Polishing Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Detailed general description of disposal system/method:  
Tertiary Treatment System, chlorine contact chamber

Barscreen, aeration basin, clarifier, lift station,

Date of construction of original plant: Late 1970's

Population for which plant was designed: 100 homes

Plant capacity in gallons per day: 0.04 mgd

Average daily discharge of sewage during year (Mgal): 0.005317

Maximun daily discharge of sewage during year (Mgal): 0.029442

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

Is wastewater treated? The Shoals of Anderson and Anchor Point  
Yes

If so, how? Extended aeration package plant

Is wastewater effluent disinfected? Yes

If so, provide information about the type of agent used (liquid chlorine, etc.):  
liquid chlorine

How frequently is an analysis made of effluent? Once monthly for E. coli

Give results of last analysis: <1 MPN/100mL

What is the efficiency of sewerage plant? Meets SCDHEC requirements

**JACABB Utilities, LLC**  
(Company Name)

**FOR THE YEAR ENDED 2020**

## Schedule 130. TECHNICAL SUMMARY

### GENERAL INFORMATION

Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.

#### **PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: Rocky Ford WWTP

Oxidation Pond(s)? None

If so, provide information concerning size, construction type, and year of construction of each pond.

Aeration Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Polishing Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Detailed general description of disposal system/method: No discharge to date

Date of construction of original plant: 2007 / 2008

Population for which plant was designed: 68 homes

Plant capacity in gallons per day: 27,200 gpd

Average daily discharge of sewage during year (Mgal): 0 gpd

Maximum daily discharge of sewage during year (Mgal): 0 gpd

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

Rocky Ford

Is wastewater treated?

No discharge

If so, how?

Extended aeration package plant

Is wastewater effluent disinfected?

If so, provide information about the type of agent used (liquid chlorine, etc.):

How frequently is an analysis made of effluent?

No discharges to date

Give results of last analysis:

No discharges to date

What is the efficiency of sewerage plant?

No discharges to date



JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.**PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: Pointe West WWTF - A manual bar screen, aeration basin, two 40 and two 5 horsepower aerators, aluminum sulfate pump, step aeration system, ultraviolet disinfection equipment, three inch Parshall flume and serpentine aeration channel which coincides with the conversion of the WWTF to 0.25 MGD

Oxidation Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction of each pond.Aeration Pond(s)? YesIf so, provide information concerning size, construction type, and year of construction. 385,000 gallons, concrete, construction in 1976.Polishing Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction. 

Detailed general description of disposal system/method: Aeration basin, secondary clarifier, phosphorous removal, UV disinfection, step aeration channel

Date of construction of original plant: 1976 reconfigured in 2008Population for which plant was designed: 833 homesPlant capacity in gallons per day: 0.250 mgdAverage daily discharge of sewage during year (Mgal): 0.101490Maximun daily discharge of sewage during year (Mgal): 0.805654

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

Is wastewater treated? Pointe West  
Yes

If so, how? Modified existing WWTP utilizing extended aeration

Is wastewater effluent disinfected? Yes

If so, provide information about the type of agent used (liquid chlorine, etc.) UV System

How frequently is an analysis made of effluent? Twice monthly for E.Coli

Give results of last analysis: 6 MPN/100mL

What is the efficiency of sewerage plant? Meets SCDHEC requirements

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**

Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.

**PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: Cane Creek WWTF – 10,000 gal recirculation tank,  
3 recirculating media filters, 5 ft diameter wet well with dosing pumps, 80,500 gallon ultraviolet disinfection,  
and a 5.5 acre sprayfield

Oxidation Pond(s)? None

If so, provide information concerning size, construction type, and year of construction of each pond.

Aeration Pond(s)? None

If so, provide information concerning size, construction type, and year of construction. \_\_\_\_\_

Polishing Pond(s)? None

If so, provide information concerning size, construction type, and year of construction. \_\_\_\_\_

Detailed general description of disposal system/method: Primary treated waste water enters the recirculation  
tank, is pumped into the recirculating media filters for biological treatment and returns to the recirculation tank.  
Overflow goes to the wetwell for spray land application after disinfection.

Date of construction of original plant: 2009

Population for which plant was designed: 84 RV lots

Plant capacity in gallons per day: 0.0115 mgd

Average daily discharge of sewage during year (Mgal): 0 mgd

Maximun daily discharge of sewage during year (Mgal): 0 mgd

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

Is wastewater treated? Cane Creek  
Yes

If so, how? Recirculating filter media

Is wastewater effluent disinfected? Yes

If so, provide information about the type of agent used (liquid chlorine, etc.) UV System

How frequently is an analysis made of effluent? Once monthly for fecal coliform

Give results of last analysis: <1

What is the efficiency of sewerage plant? Meets SCDHEC requirements

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**

Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.

**PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: I-85 of SC Exit 4 WWTF – (i) 1 manual bar screen, (ii) a 5,000 gallon equalization tank, (iii) a 5,000 gallon sludge holding tank, (iv) a flow splitter box, (v) 14,000 gallon anoxic tanks, (vi) 21,000 gallon oxic tanks, (vii) a 6' X 12' dual hopper clarifier, (viii) a fixed media filter, (ix) a 210,000 gallon holding pond, (x) disk filters, (xi) three ultraviolet disinfection units, and (xii) surface and subsurface drip disposal system with 2 ft drip tubing spacing, with associated piping, electrical, pumps & other associated appurtenances.

Oxidation Pond(s)? None

If so, provide information concerning size, construction type, and year of construction of each pond.

Aeration Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Polishing Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Detailed general description of disposal system/method: The effluent will be land applied to a 18.5-acre drip irrigation site adjacent to the treatment facility.

Date of construction of original plant: 2010

Population for which plant was designed: Truck Stop & Fast Food Restaurant

Plant capacity in gallons per day: 0.010 mgd

Average daily discharge of sewage during year (Mgal): 0.008425

Maximun daily discharge of sewage during year (Mgal): 0.062100

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

### Schedule 130. TECHNICAL SUMMARY (Continued)

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
<b>Services in use</b>				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
<b>Total services in use</b>				
<b>Services not in use</b>				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
<b>Total services not in use</b>				
<b>Total Services</b>				

**TREATMENT:**

I-85 of SC Exit 4 WWTP

Is wastewater treated?

Yes

If so, how?

Extended aeration package plant

Is wastewater effluent disinfected?

Yes

If so, provide information about the type of agent used (liquid chlorine, etc. UV System)

How frequently is an analysis made of effluent?

Once monthly for E. Coli

Give results of last analysis:

<1 MPN/100mL

What is the efficiency of sewerage plant?

Meets SCDHEC requirements

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**

Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.

**PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: The Cliffs at Mountain Park WWTF

(i) a manual bar screen, (ii) a 18,000 gallon solids tank, (iii) a combined 9,000 gallon second solids and 9,000 gallon equalization tank, (iv) a flow splitter, (v) 2 Bioclere treatment reactors w/ built in clarifiers, (vi) two 1,250 gallon sand filter holding tankage, (vii) a 63 gpm maximum flow rate sand filter, (viii) two 1,250 gallon sand filter clear well tankage, (ix) a 325,000 gallon total capacity holding pond, (x) disk filters, (xi) three ultraviolet disinfection units, and (xii) subsurface drip disposal system consisting of 60,539 linear feet of drip tubing, with associated piping, electrical, pumps & other associated appurtenances

Oxidation Pond(s)? None

If so, provide information concerning size, construction type, and year of construction of each pond.

Aeration Pond(s)? None

If so, provide information concerning size, construction type, and year of construction. \_\_\_\_\_

Polishing Pond(s)? None

If so, provide information concerning size, construction type, and year of construction. \_\_\_\_\_

Detailed general description of disposal system/method: The effluent will be land applied to a 15.6-acre subsurface drip irrigation site adjacent to the treatment facility.

Date of construction of original plant: 2009

Population for which plant was designed: Residential and commercial

Plant capacity in gallons per day: 0.018 mgd

Average daily discharge of sewage during year (Mgal): 0.002805

Maximum daily discharge of sewage during year (Mgal): 0.060500

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

The Cliffs at Mountain Park WWTP

Is wastewater treated?

Yes

If so, how?

Recirculating filter media

Is wastewater effluent disinfected?

Yes

If so, provide information about the type of agent used (liquid chlorine, etc.)

UV System

How frequently is an analysis made of effluent?

Once monthly for E. coli

Give results of last analysis:

3 MPN/100mL

What is the efficiency of sewerage plant?

Meets SCDHEC requirements



**JACABB Utilities, LLC****FOR THE YEAR ENDED 2020**

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.**PHYSICAL DESCRIPTION:**Detailed general description of wastewater system: The Landing at Clemson Marina is a community system with 5036 linear feet of trenches.Oxidation Pond(s)? None

If so, provide information concerning size, construction type, and year of construction of each pond.

Aeration Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Polishing Pond(s)? None

If so, provide information concerning size, construction type, and year of construction.

Detailed general description of disposal system/method:

Date of construction of original plant: 2005Population for which plant was designed: Residential and commercialPlant capacity in gallons per day: 8640 gpdAverage daily discharge of sewage during year (Mgal): -Maximun daily discharge of sewage during year (Mgal): -

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

Is wastewater treated? The Landing at Clemson Marina  
No

If so, how? \_\_\_\_\_

Is wastewater effluent disinfected? No

If so, provide information about the type of agent used (liquid chlorine, etc.): \_\_\_\_\_

How frequently is an analysis made of effluent? \_\_\_\_\_

Give results of last analysis: \_\_\_\_\_

What is the efficiency of sewerage plant? \_\_\_\_\_

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.**PHYSICAL DESCRIPTION:**Detailed general description of wastewater system: The Links of Tryon consists of a collection system, lift station and an extended aeration activated sludge wastewater treatment plant.Oxidation Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction of each pond.Aeration Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction. Polishing Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction. Detailed general description of disposal system/method: Wasted digested sludge is removed from the WWTP and carried to the Blue Meadows Wastewater Pretreatment FacilityDate of construction of original plant: Population for which plant was designed: ResidentialPlant capacity in gallons per day: 0.024 MGDAverage daily discharge of sewage during year (Mgal): 0.004176Maximun daily discharge of sewage during year (Mgal): 0.059771

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

The Links of Tryon

Is wastewater treated?

Yes

If so, how?

Extended aeration process permitted to discharge 0.024 MGD.

Is wastewater effluent disinfected?

Yes

If so, provide information about the type of agent used (liquid chlorine, etc. Calcium Hypochlorite Tabs

How frequently is an analysis made of effluent?

Once monthly for E. coli

Give results of last analysis:

30 MPN/100 mL

What is the efficiency of sewerage plant?

Meets SCDHEC requirements

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.**PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: The Battery on Keowee is a community system  
with 740 LF of 6" PVC gravity sewer, 7 manholes, one pump station, 386 LF of 2" PVC forcemain

Oxidation Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction of each pond.Aeration Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction. Polishing Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction. Detailed general description of disposal system/method: Date of construction of original plant: 2009Population for which plant was designed: ResidentialPlant capacity in gallons per day: 3840 gpdAverage daily discharge of sewage during year (Mgal): -Maximun daily discharge of sewage during year (Mgal): -

**Schedule 130. TECHNICAL SUMMARY  
(Continued)**

Size and Description	SERVICES AND LINE TYPE			
	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

The Battery on Keowee

Is wastewater treated?

No

If so, how?

Is wastewater effluent disinfected?

No

If so, provide information about the type of agent used (liquid chlorine, etc.):

How frequently is an analysis made of effluent?

Give results of last analysis:

What is the efficiency of sewerage plant?

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

**Schedule 130. TECHNICAL SUMMARY****GENERAL INFORMATION**Submit a copy of the Company's latest DHEC quality of service letter/report with this annual report.**PHYSICAL DESCRIPTION:**

Detailed general description of wastewater system: Rosewood at Clemson consists of approximately 735 LF of 8" PVC gravity sewer line, eight (8) manholes, service lines, one (1) pump station, 600 LF of 4" PVC force main and necessary appurtenances to serve an apartment complex.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Oxidation Pond(s)? NoneIf so, provide information concerning size, construction type, and year of construction of each pond.Aeration Pond(s)? None

If so, provide information concerning size, construction type, and year of construction. \_\_\_\_\_

Polishing Pond(s)? None

If so, provide information concerning size, construction type, and year of construction. \_\_\_\_\_

Detailed general description of disposal system/method: Wastewater is pumped to the City of Clemson

Date of construction of original plant: \_\_\_\_\_

Population for which plant was designed: \_\_\_\_\_

Plant capacity in gallons per day: \_\_\_\_\_

Average daily discharge of sewage during year (Mgal): \_\_\_\_\_

-

Maximun daily discharge of sewage during year (Mgal): \_\_\_\_\_

-

JACABB Utilities, LLC

FOR THE YEAR ENDED 2020

(Company Name)

### Schedule 130. TECHNICAL SUMMARY (Continued)

#### SERVICES AND LINE TYPE

Size and Description	Owned by Utility			
	Beginning of year	Added	Retired or Abandoned	End of Year
Services in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services in use				
Services not in use				
Iron pipe				
PVC pipe				
Clay pipe				
Other pipe				
Total services not in use				
Total Services				

**TREATMENT:**

Rosewood at Clemson

Is wastewater treated?

No

If so, how?

Is wastewater effluent disinfected?

No

If so, provide information about the type of agent used (liquid chlorine, etc.):

How frequently is an analysis made of effluent?

Give results of last analysis:

What is the efficiency of sewerage plant?



JACABB Utilities, LLC  
(Company Name)

FOR THE YEAR ENDED 2020

### Schedule 130. TECHNICAL SUMMARY (Continued)

**SERVICE AREA AND CUSTOMER DATA:**

Area and/or subdivisions served by wastewater system: Forest Hills Subdivision, Shoals Subdivision and Anchor Point, Rocky Ford,

Pointe West/Highpointe, Cane Creek Motorcoach Resort, Love's Country Store and Travel Stops/Arby's, The Cliffs at Mountain Park, The Landing at

Clemson Marina, Links of Tryon Subdivision, the Battery on Keowee, Rosewood of Clemson

Total number of residential customers at the end of the fiscal or calendar year:	258
Total number of commercial customers at the end of the fiscal or calendar year:	11
Total number of industrial customers at the end of the fiscal or calendar year:	
Total number of customers at the end of the fiscal or calendar year:	269

Extensions of system, giving location, new territory covered and dates of beginning operations since last annual report submitted:

Rosewood at Clemson, City of Clemson,

September 14, 2020

Other important changes, including new plant and equipment built or installed: